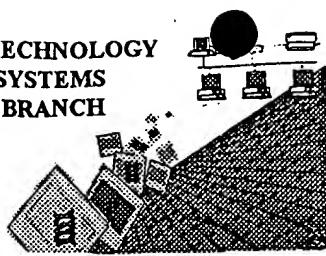


BIOTECHNOLOGY
SYSTEMS
BRANCH



RAW SEQUENCE LISTING
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/909,238 E
Source: OIPE
Date Processed by STIC: 5/20/04

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) **INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
- 2) **TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.2 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>), EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 06/05/04): U.S. Patent and Trademark Office, 220 20th Street S., Customer Window, Mail Stop Sequence, Crystal Plaza Two, Lobby, Room 1B03, Arlington, VA 22202



OIPE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/909,238E

DATE: 05/20/2004
TIME: 16:24:25

Input Set : A:\PTO.FG.TXT
Output Set: N:\CRF4\05202004\I909238E.raw

3 <110> APPLICANT: ARTEMIS PHARMACEUTICALS GmbH
5 <120> TITLE OF INVENTION: Recombinant Influenza Viruses with Bicistronic vRNAs Coding
for Two Genes
6 in Tandem Arrangement
8 <130> FILE REFERENCE: Kreisler 1092-KGB
C--> 10 <140> CURRENT APPLICATION NUMBER: US/09/909,238E
C--> 11 <141> CURRENT FILING DATE: 2001-07-19
13 <160> NUMBER OF SEQ ID NOS: 24
15 <170> SOFTWARE: PatentIn Ver. 2.1

Does Not Comply
Corrected Diskette Needed
(PG.1-5) ↗

ERRORED SEQUENCES "N" locations.

~~PLAIN "N"~~ PLS EXPLAIN "N" locations.
26 <210> SEQ ID NO: 2
27 <211> LENGTH: 12
28 <212> TYPE: RNA
29 <213> ORGANISM: Influenza B virus
31 <400> SEQUENCE: 2

Please see error explanation
on pg. 3

E--> 32 ~~nn~~gcuucug cu 12
118 <210> SEQ ID NO: 10
119 <211> LENGTH: 21

120 <212> TYPE: RNA
121 <213> ORGANISM: Influenza A virus
123 <400> SEQUENCE: 10

~~PLS EXPLAIN "N" locations.~~

E--> 124 aguagaaaaca ~~agg~~nnnnuuuu u 21
140 <210> SEQ ID NO: 12
141 <211> LENGTH: 21

142 <212> TYPE: RNA
143 <213> ORGANISM: Influenza B virus
145 <400> SEQUENCE: 12

E--> 146 aguagwaaca ~~nnnn~~nnnnuuuu u 21

~~SAME ERROR~~

(Please see page 4 for additional errors)

The type of errors shown exist throughout
the Sequence Listing. Please check subsequent
sequences for similar errors.

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/909,238E

DATE: 05/20/2004
TIME: 16:24:26

Input Set : A:\PTO.FG.TXT
Output Set: N:\CRF4\05202004\I909238E.raw

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 5

VARIABLE LOCATION SUMMARY
PATENT APPLICATION: US/09/909,238E

DATE: 05/20/2004
TIME: 16:24:26

Input Set : A:\PTO.FG.TXT
Output Set: N:\CRF4\05202004\I909238E.raw

Use of n's or Xaa's(NEW RULES):

Use of n's and/or Xaa's have been detected in the Sequence Listing.

Use of <220> to <223> is MANDATORY if n's or Xaa's are present.

in <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

Seq#:2; N Pos. 1,2 ✓

Seq#:7; N Pos. 12,13 ✓

Seq#:10; N Pos. 14,15,16 ✓

Seq#:11; N Pos. 14,15,16

Seq#:12; N Pos. 12,13,14,15,16 ✓

Seq#:14; N Pos. 1,2,3

Seq#:15; N Pos. 1,2,3

Seq#:16; N Pos. 1,2,3,4,5

(Sample error sequence listing) ● PAGE 4

<210> 20
<211> 3888
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: pHLL920

<400> 20



What is the
Source?

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/909,238E

DATE: 05/20/2004

TIME: 16:24:26

Input Set : A:\PTO.FG.TXT

Output Set: N:\CRF4\05202004\I909238E.raw

L:10 M:270 C: Current Application Number differs, Replaced Application Number
L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:32 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:2 ✓
L:91 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0 ✓
L:124 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:10 ✓
L:137 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:11 ✓
L:137 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:11 ✓
L:137 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0 ✓
L:146 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:12 ✓
L:171 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:14 ✓
L:171 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:14 ✓
L:171 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0 ✓
L:183 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:15 ✓
L:183 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:15 ✓
L:183 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0 ✓
L:195 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:16 ✓
L:195 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:16 ✓
L:195 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0 ✓